High-performance platform for two PCI-Express Graphics Cards

Prima xpc Barebone

SX38P2 Pro

Do you always want more than everyone else? Then choose this Mini-PC for professional Multi-Monitoring for up to four screens or as a high-end games PC with two PCI-E 2.0 Crossfire linked graphics cards. Meet every performance wish with Intel's pioneering Core 2 Processors or up to 8 GB DDR2 memories. Hold all your data on up to three hard disks and enjoy your Mini-PC to the full. The effective 450 watt power supply speaks a clear language. As a guarantor for the best sound the SX38P2 delivers Pro 8-ch HD-Audio with Dolby Digital Live! and DTS Connect. For more security this Mini-PC-Barebone has an integrated fingerprint scanner. The I.C.E. Cooling System with the additional OASIS Module consistently ensures the optimum cooling of the entire PC System.

Feature Highlight

P2 chassis	• Black aluminum chassis • Drive bays: 1x 5.25“, 3x 3.5“
Chipset	• Intel X38 Express + ICH9R
CPU	• Socket 775 • Supports Core 2 Quad / Extreme / Duo, Pentium Dual-Core, Pentium D • Supports 1333, 1066 and 800MHz FSB • Shuttle 3 zones heat-pipe cooling system
Slots	• 2x PCI-Express 2.0 (x16), ATI CrossFire 1x Mini-PCIe (supports Turbo Memory)
Memory	• Supports 4x DDR2-667/800 DDR2-1066 in overclocking mode* • Up to 8 GBytes total size
Drive connectors	• 4x SATA (internal) + 2x eSATA (external) supports RAID 0, 1, 5, 10 and JBOD • 1x IDE ATA 100, 1x floppy disk drive
Pro-Features	• Fingerprint recognition technology • Speed-Link (connects 2 PCs via USB)
Other connectors	• 8-ch HD-audio, SPDIF out Dolby® Digital Live! and DTS™ Connect • 2x Firewire, GigaBit LAN • USB 2.0 (2x front, 6x rear, 4x onboard)
Power supply	• 450 Watt ATX power supply (80 PLUS)
Application	• Gaming

Note: optical drive sold separately. Images for illustration purposes only.

Prduct ID: SX38P2 Pro
UPC (see bar code)

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Shuttle XPC Barebone SX38P2 Pro – Special Product Features

Shuttle XPC Prima Series offering extreme performance

Shuttle has introduced the XPC Prima series, with its revolutionary high performance models, for professional and performance demanding applications whether they be at work, everyday or for high-tech gaming.

Supports 1333 MHz FSB and new 45nm processors

This Shuttle product supports the Intel® Core™2 Duo and Intel® Core™2 Quad processors with up to 1333 MHz front side bus and even the new 45nm Core™2 Multi-core processors. Multi core brings multi power!

OASIS Cooling Technology

The newly designed OASIS cooling technology deliver a unique system of heat-sinks covering the MOSFET modules, the north bridge as well as the south bridge that effectively dissipates heat without the use of fans. Featuring an all-new Heat pipe design, Shuttle OASIS allows users to enjoy longer component lifetime through lower temperatures, added system stability and silent operation.

Supports two PCI Express x16 graphics cards

The Intel X38 chipset takes a major step beyond the P35 with its 32 PCI Express 2.0 lanes. The Shuttle XPC Barebone SX38P2 supports two slots PCI Express x16 Version 2.0 delivers up to 16GB/s bandwidth per port, double that of PCIe 1.0, ensuring plenty of bandwidth for future graphics cards. Two graphics cards can be used to enable 4-monitor-operating or ATI CrossFire™ mode for leading-edge gaming performance.

Finest cinematic surround sound experience

What would a home theater be without booming, immersive 7.1 channel surround sound? Experience state-of-the-art sound quality provided by Dolby® Digital Live and DTS® Connect functionality.

80 PLUS® Certified Power Supplies

The 80 PLUS® performance specification requires power supplies in computers and servers to be 80% or greater energy-efficient.
The SX38P2 Pro is in fact the first Shuttle XPC Barebone which has a powerful 450W power supply built in as standard.

Fingerprint reader

With an added a layer of security protection thru the integrated biometric fingerprint reader, you can keep your digital identity and data more secure and no longer worry about having to memorize for memorizing multiple passwords.

Innovative Speed-Link technology

File sharing among two PCs has never been easier with the innovative Speed-Link technology, simply connects both systems thru a USB cable without having the hassle of driver installation or worry about insufficient space of a DVD disc.

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User Friendly Dynamic OverClock feature*)

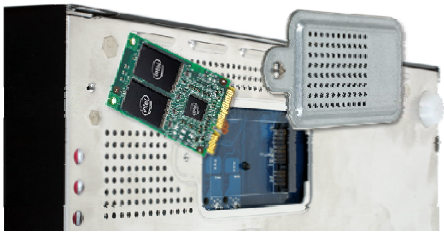
The user can easily overclock the system through the bios from 3%,5%,7%,10%,15%, to 20%.

New Era of All-Solid Capacitor Shuttle Mainboards

By using all-solid capacitors Shuttle mainboards provide industry leading stability, reliability and longevity for PC gaming and entertainment systems. The average lifespan for a solid capacitor is more than six times greater than the more common and less expensive electrolytic capacitors.

Supports up to three hard disks and 4 DDR2 modules

The P2 chassis design features four DDR2 memory slots and supports an incredible 8GB of RAM besides three harddisks (or two harddisks and an 3.5" card reader) and an optical drive - which is plenty for the case capacity of just 15 litres.



Mini PCIe slot supports Intel Turbo Memory module

There is one Mini-PCIe x1 slot at the bottom of the chassis which supports Intel® Turbo Memory (codename: Robson). Intel® Turbo Memory lets your system actually learn your habits to provide better system response. That's because it stores frequently used information near the processor, where it's more quickly available.

Supports Windows Vista Premium

Breathtaking Windows Aero™ 3D visual interface and a host of groundbreaking new features, Windows® Vista™ Premium promises to deliver a streamlined computing experience designed to fundamentally change how users view, find and organize their digital information.

***) Overclocking Warning:**
Please note there is a certain risk involved with overclocking, including adjusting the setting in the BIOS or using third-party overclocking tools. Overclocking may affect your system stability or even cause damage of the components and devices of your system. It is done at your own risk and expense. Shuttle cannot be held responsible for possible damage caused by overclocking.

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Shuttle XPC Barebone SX38P2 Pro Specifications

Special Pro-Features	Fingerprint recognition technology Speed-Link - easily connect 2 PCs via USB and share data
Chassis	P2-type aluminum chassis, color: black storage bays: 1 x 5.25", 3 x 3.5" (2 internal) stealthed drive doors dimensions: 32.5 x 22 x 21 cm (LWH) weight: 4.2 kg net / 6.0 kg gross
Mainboard	Shuttle FX38, Shuttle form factor, proprietary design for XPC SX38P2 Pro Chipset: Intel X38 Express (MCH) + ICH9R (I/O Conroller Hub) Solid Capacitors for excellent heat resistance for enhanced system durability Color slots/connectors design (Power switch, USB, PCIe, DDR2) Dimensions: 20.5 x 28 cm
Power Supply	450 Watt ATX mini PSU, AC input voltage: 100~240V 80 PLUS® certified (80% or greater energy-efficient) Dimensions: 85(W) x 83(H) x150(D) mm Connectors: 20-pin ATX, 4-pin ATX12V Active PFC circuit (Power Factor Correction) With AC power switch
Processor Support	Socket 775 supports Single, Dual and Quad Core processors from Intel with Core technology and 800, 1066 or 1333MHz front side bus: Supports Core 2 Quad / Extreme / Duo, Pentium Dual-Core, Pentium D/4 Supports Intel processors in 45nm technology, too Intel Celeron and Processors with 533MHz FSB are not supported. Please refer the support list for detailed processor support information.
*Over-clocking *)*	CPU frequency, CPU voltage, RAM frequency, RAM voltage Dynamic Overclock feature: Easily overclock from 3/5/7/10% through the BIOS.
Cooling system	New Shuttle I.C.E. heat-pipe module (Integrated Cooling Engine) SilentX Cooling and Noise Reduction Technology advanced Heatpipe technology, linear fan control. 3 independent cooling areas. OASIS Cooling Technology: additional fanless heat-pipe design covering the MOSFET modules (VRM), north- and southbridge
Memory Support	4 x 240 pin slots, supports Dual Channel supports DDR2-667/800 SDRAM memory (DDR2-1066 in overclocking mode*) max. 2 GB per DIMM, up to a total size of 8 GB

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PCI-Express-Expansion Slots	2x PCI-Express x16 Version 2.0 expansion slots for x16 graphics cards (full 16 lanes each slot) Supports Dual Graphics card by ATI CrossFire™ Technology. Two graphics cards can be used to enable 4-monitor-operating or ATI CrossFire™ mode for leading-edge gaming performance. Supports two single-slot or one double-width graphics card. 1x Mini-PCIe x1 slot at the bottom of the chassis supports Intel Turbo Memory (codename: Robson)
8-channel Audio	7.1 channel High Definition Audio, Realtek ALC888DD codec Supports Dolby® Digital Live! and DTS™ Connect (Digital Theater Systems) analog: line-out (8-ch), line-in, microphone, CD-in, AUX digital: optical and coaxial S/PDIF-out
Gigabit-LAN Controller	Marvell 88E8056 Ethernet network controller With PCI Express interface IEEE 802.3u 1000Base-T compliant Supports 10 / 100 / 1.000 MBit/s opteration Supports Wake-on-LAN
Firewire-Controller	IEEE1394 Firewire controller TI TSB43AB22A Complies with 1394 OHCI specification revision 1.0 2 Firewire connectors (front and rear) Supports 400Mb/s, 200Mb/s, 100Mb/s data transfer rate
Drive connectors	Serial-ATA II, 3 Gb/s (300 MB/s) bandwidth 4x internal (SATA) plus 2x external (eSATA) Intel Matrix Storage Technology enabled striping and mirroring Supports RAID 0, 1, 5, 10 and JBOD on just two or three hard disk drives Supports Native Command Queuing (NCQ) 1x IDE ATA 100 drives (JMicron JMB368 Controller) 1x floppy disk drive
Front panel connectors	Microphone Headphone (Line-out) 2x USB 2.0 Firewire (Mini 4 pin connector) Speed-Link button Fingerprint recognition Power button Reset button Power indicator (blue LED) HDD indicator (orange LED)

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Back panel connectors	6x USB 2.0 Firewire (6 pin) GigaBit LAN (RJ45) 2x External Serial ATA Hotplug (eSATA) 8-ch Audio line-out (2x rear/front, bass/center, surround/back) Digital Audio S/PDIF output: optical and coaxial Audio Line-in Microphone input Clear CMOS button Perforation for optional Wireless LAN Antenna
Other connectors	4x USB 2.0 (two sets with 2x5 pins) 4x fan connectors (3x 4 pins, 1x 3 pins) Headers for PS/2 mouse and PS/2 keyboard
Accessories	Multi-language XPC Installation Guide Driver DVD with software (Norton Internet Security 2007, Adobe Reader) Data cables: 1x floppy, 1x PATA, 3x SATA (PATA/2xSATA preinstalled) 1 set to 2 set 6-pin VGA power cable 2x Cross Fire bridges 1 set 4 pin to SATA power cable Power Cord Screws, Heatsink Compound

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